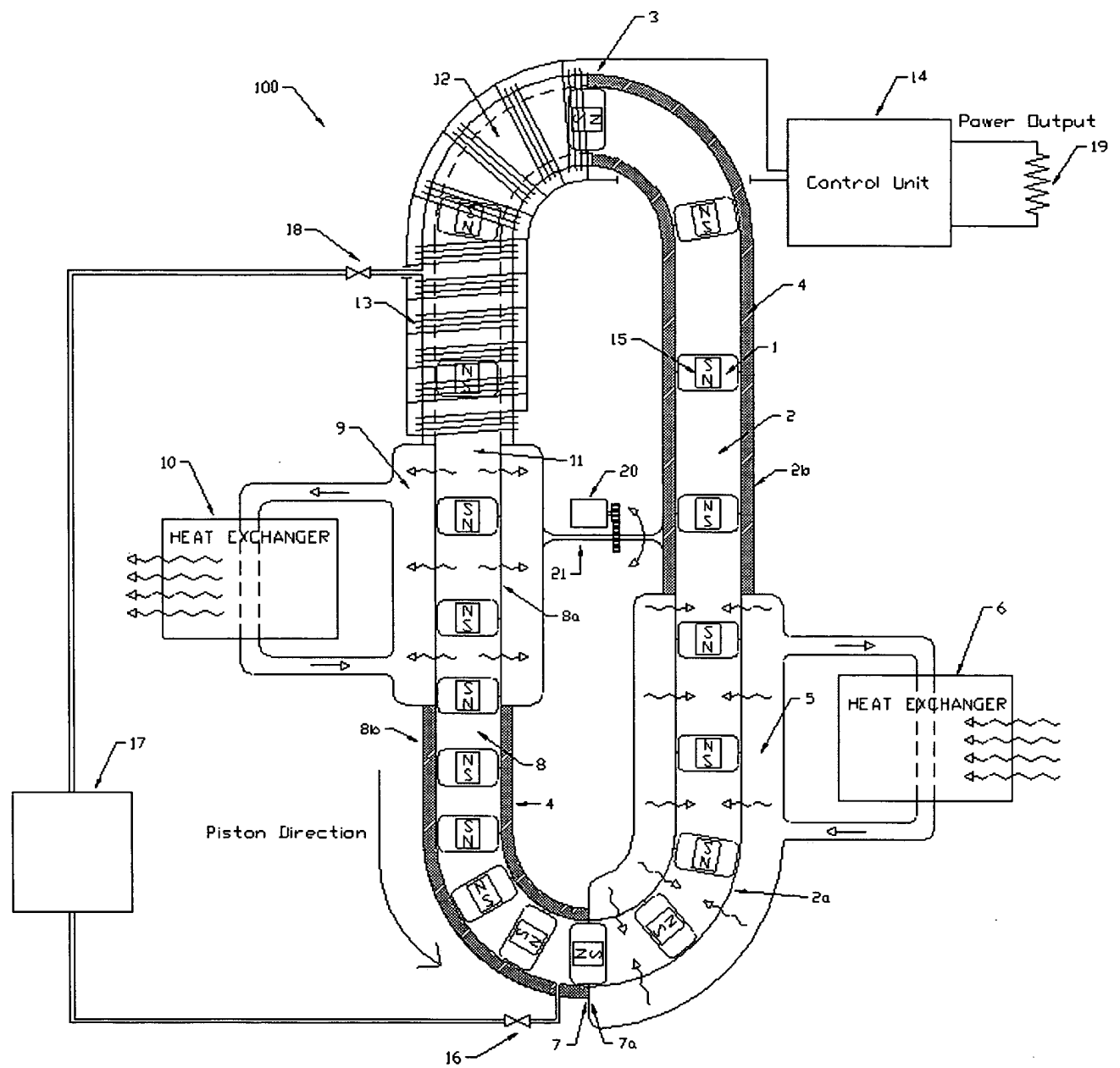


FIGURE 1 CARNOT CYCLE ENGINE WITH ELECTRICAL WORK OUTPUT



OUTPUT

PISTON DIRECTION

PISTON DIRECTION

FIGURE 4 CARNOT CYCLE REFRIGERATOR WITH MECHANICAL WORK INPUT

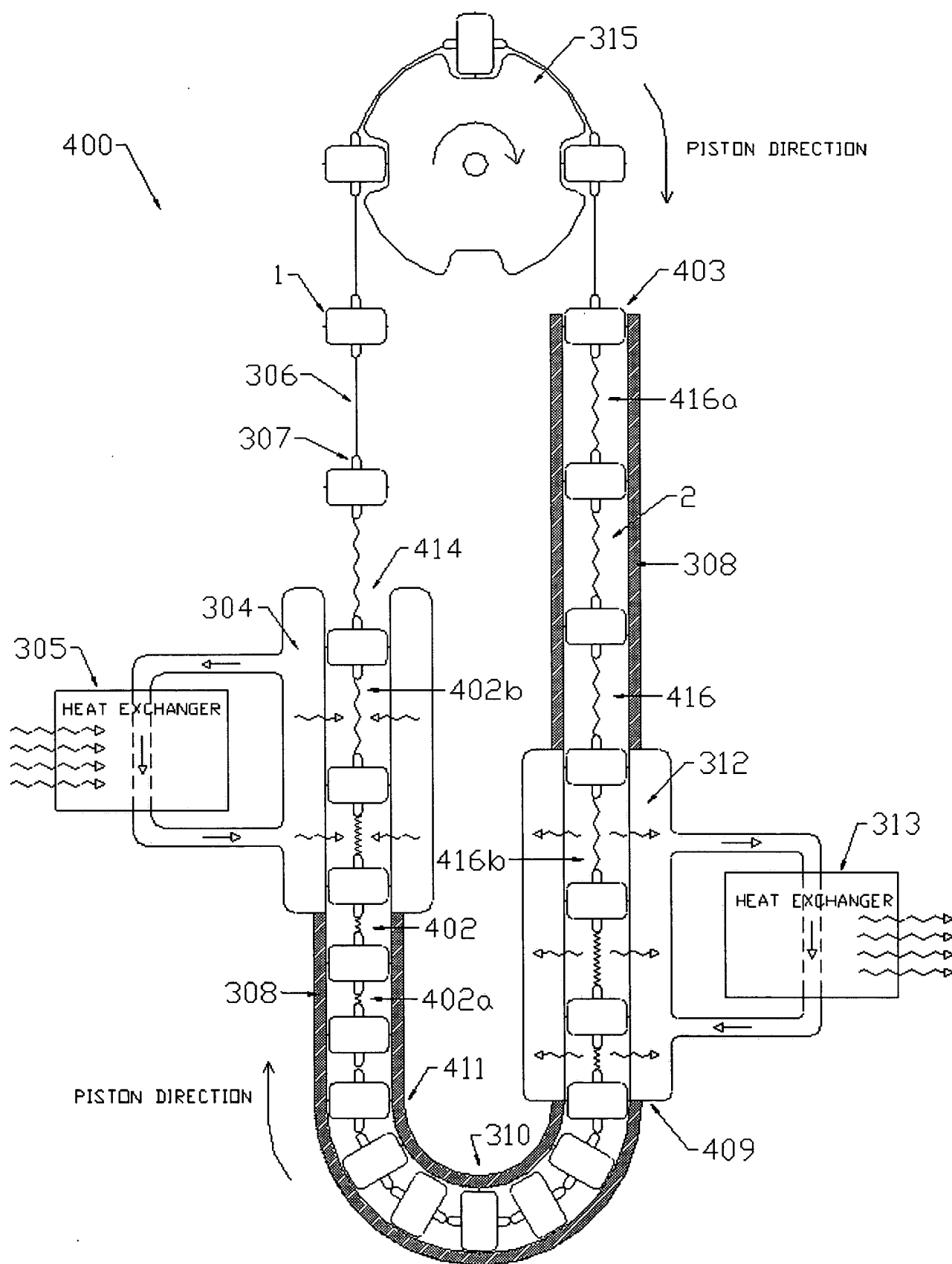


FIGURE 5 HINGED PISTON

